

FIG.1

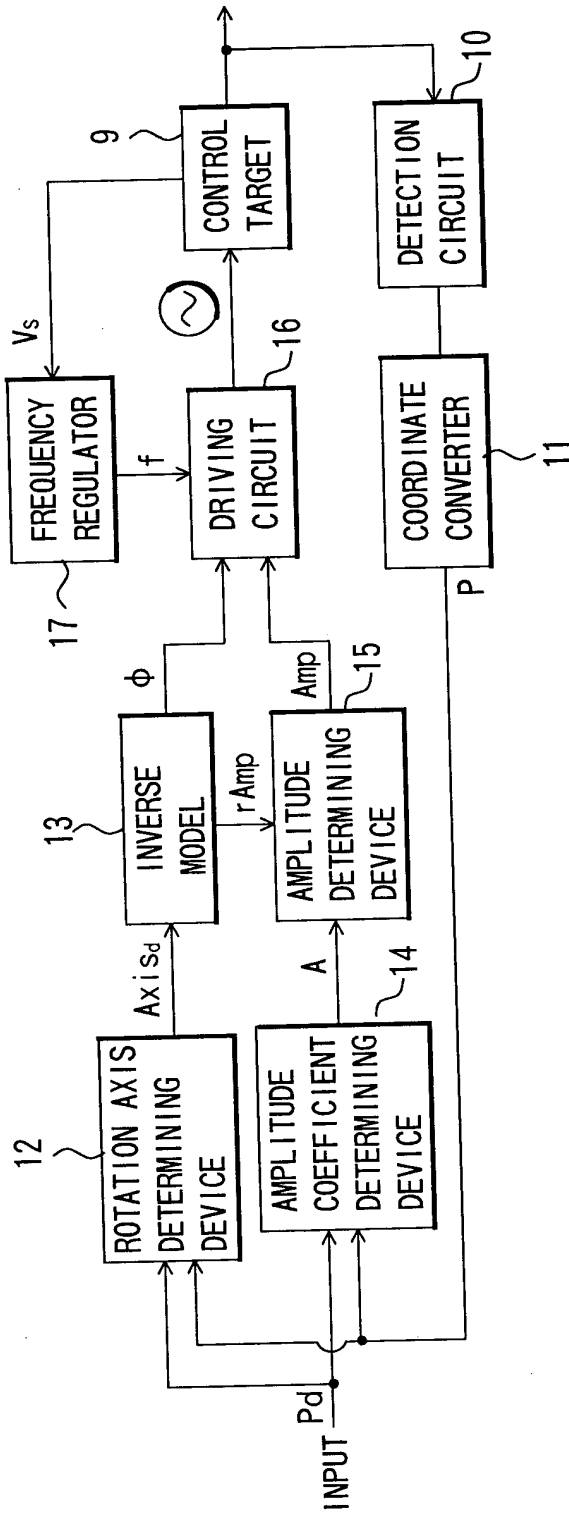
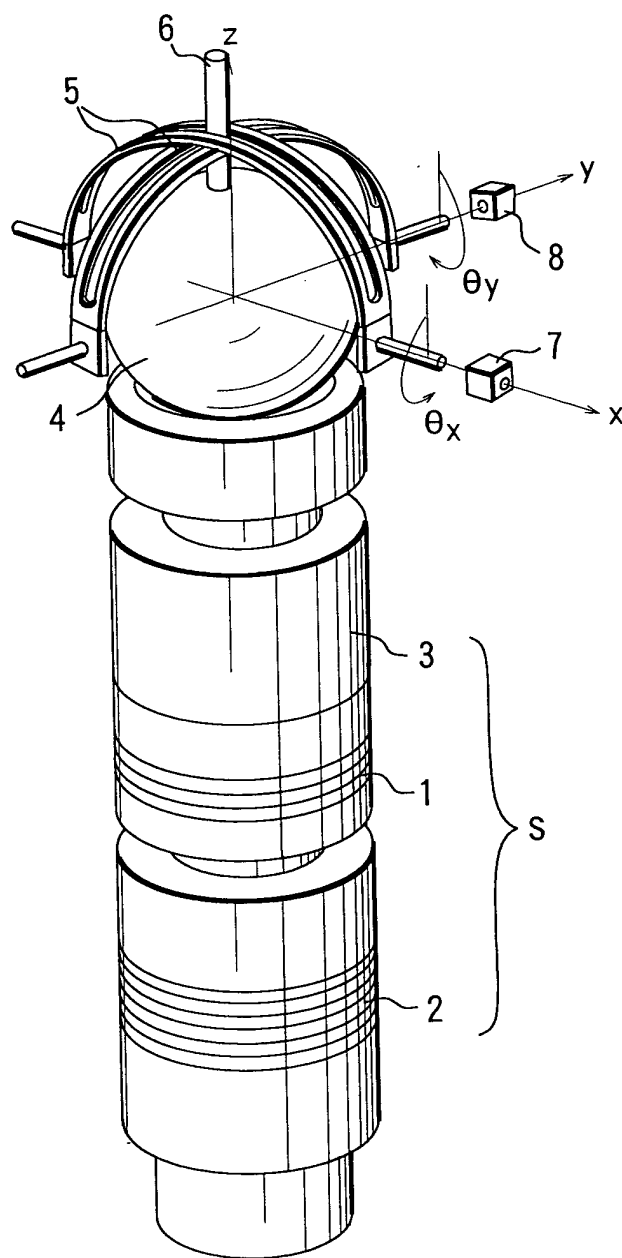


FIG.2



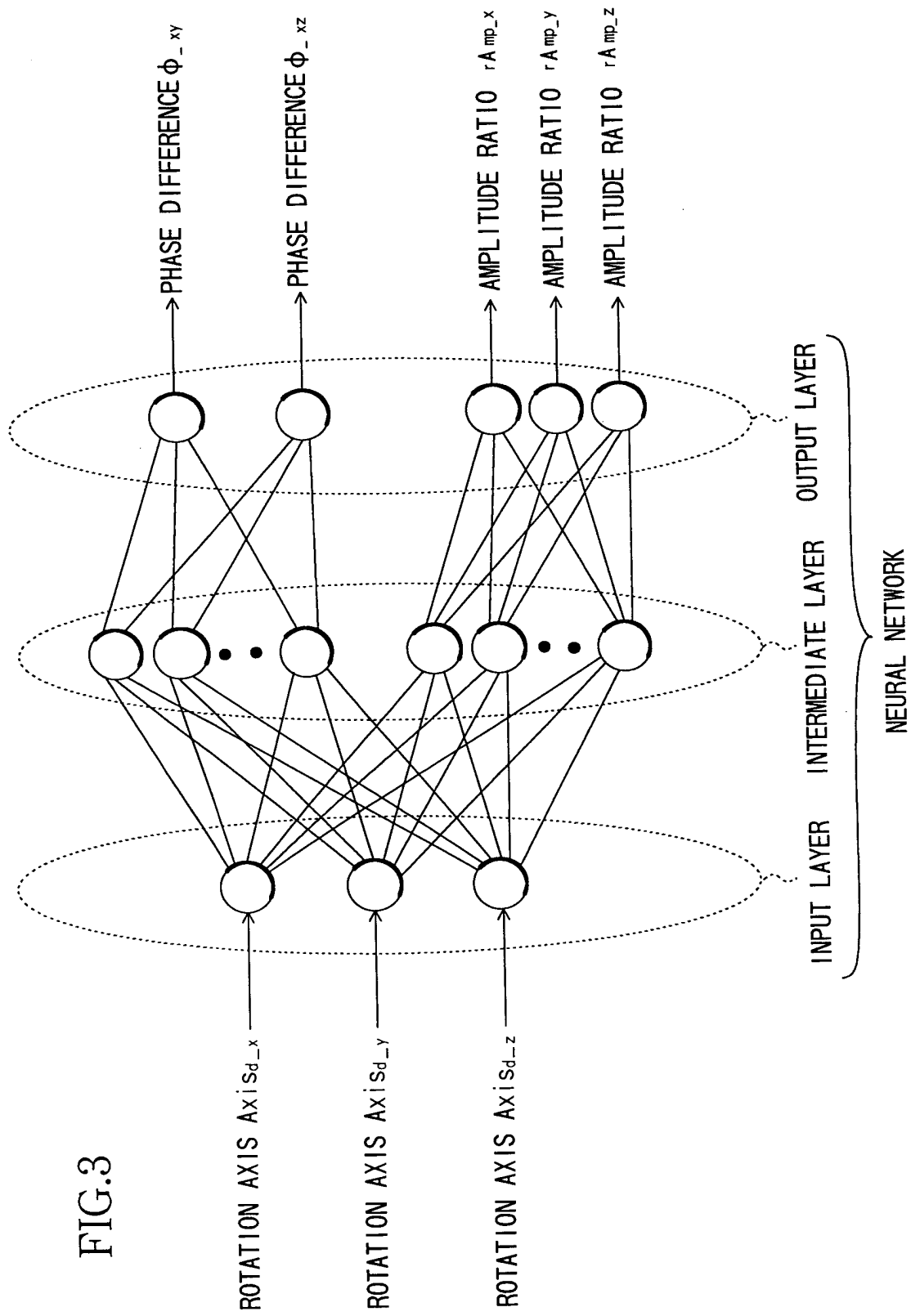


FIG.4

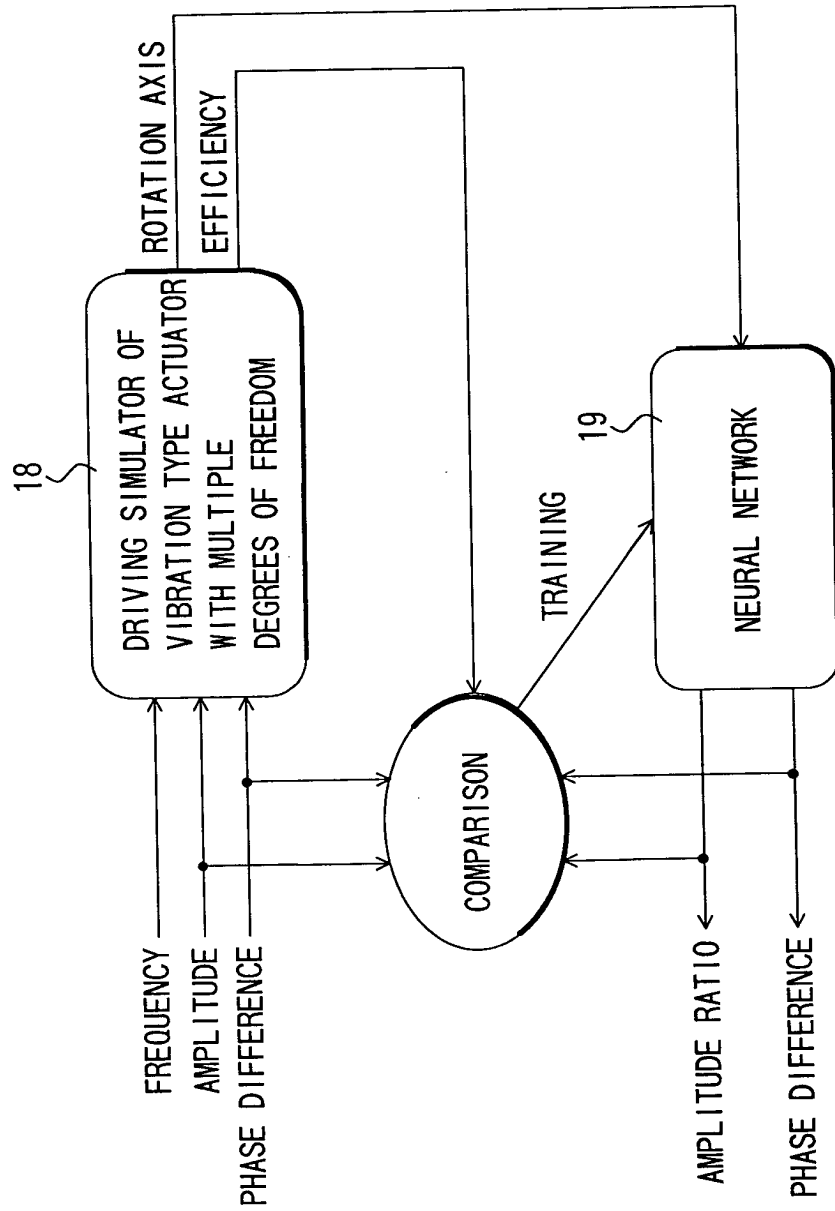


FIG.5

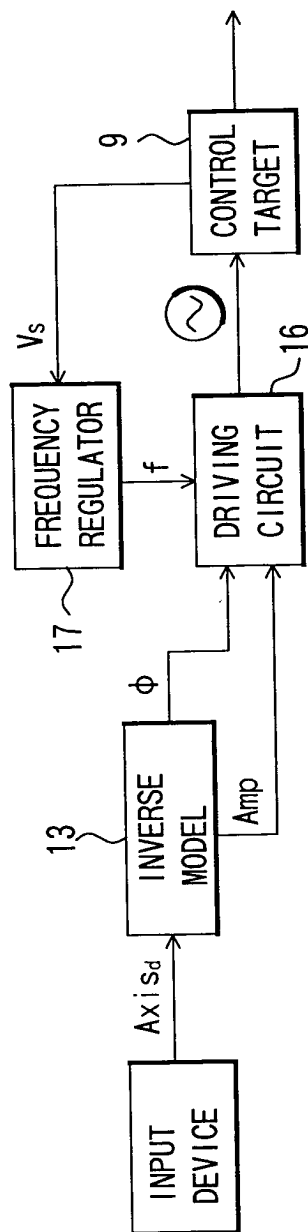


FIG.6

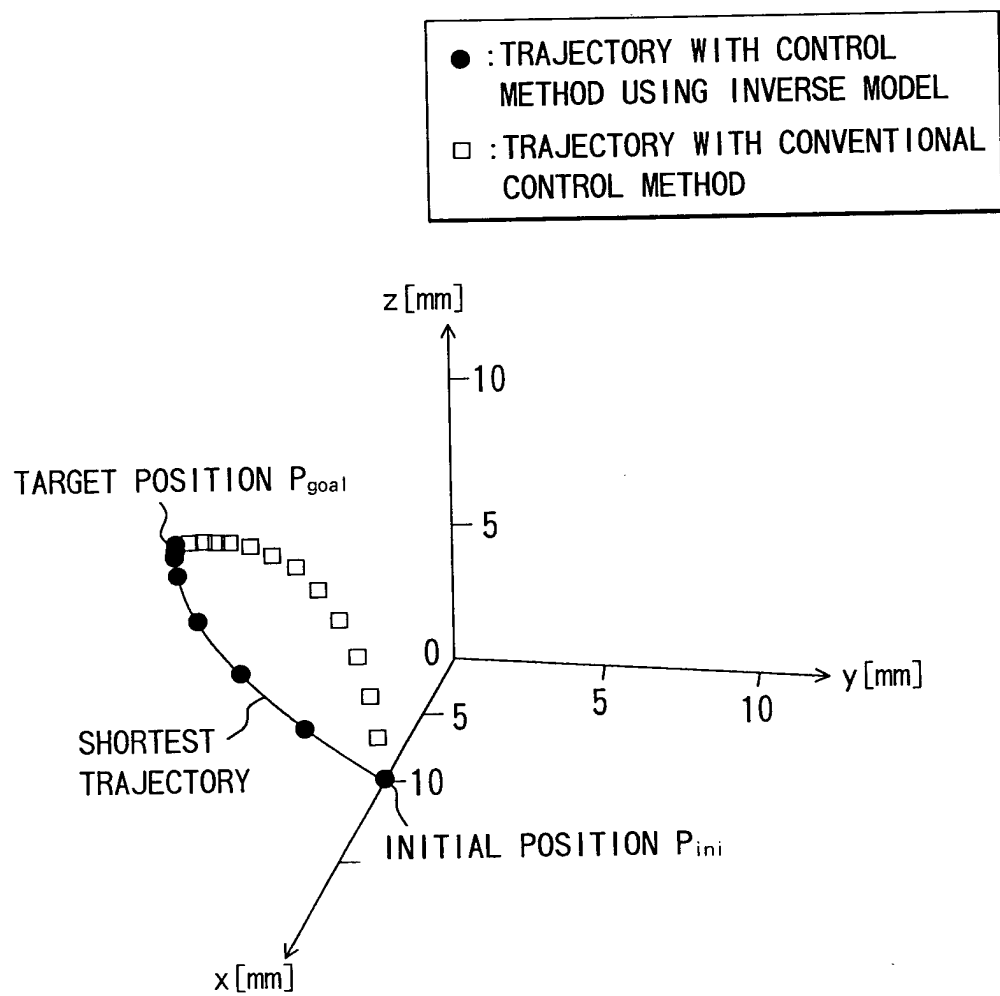
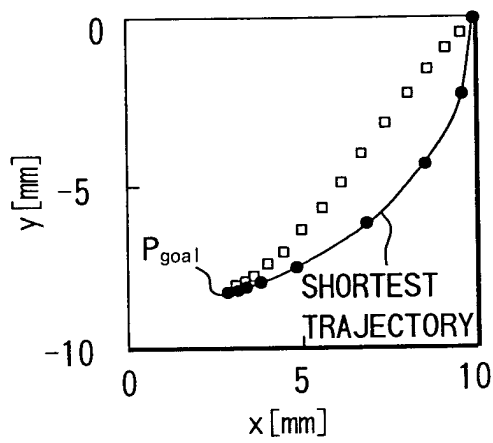
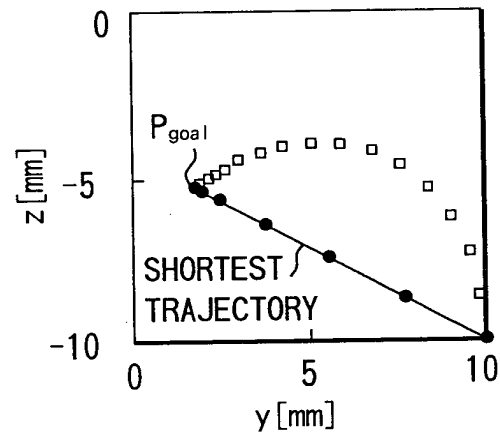


FIG.7 (A)



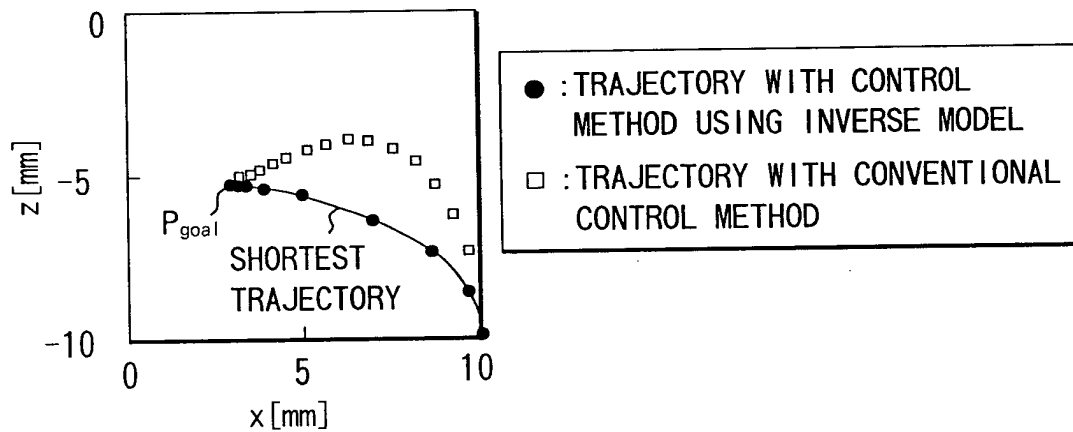
PROJECTION ONTO x-y PLANE

FIG.7 (B)



PROJECTION ONTO y-z PLANE

FIG.7 (C)



PROJECTION ONTO z-x PLANE

FIG. 8

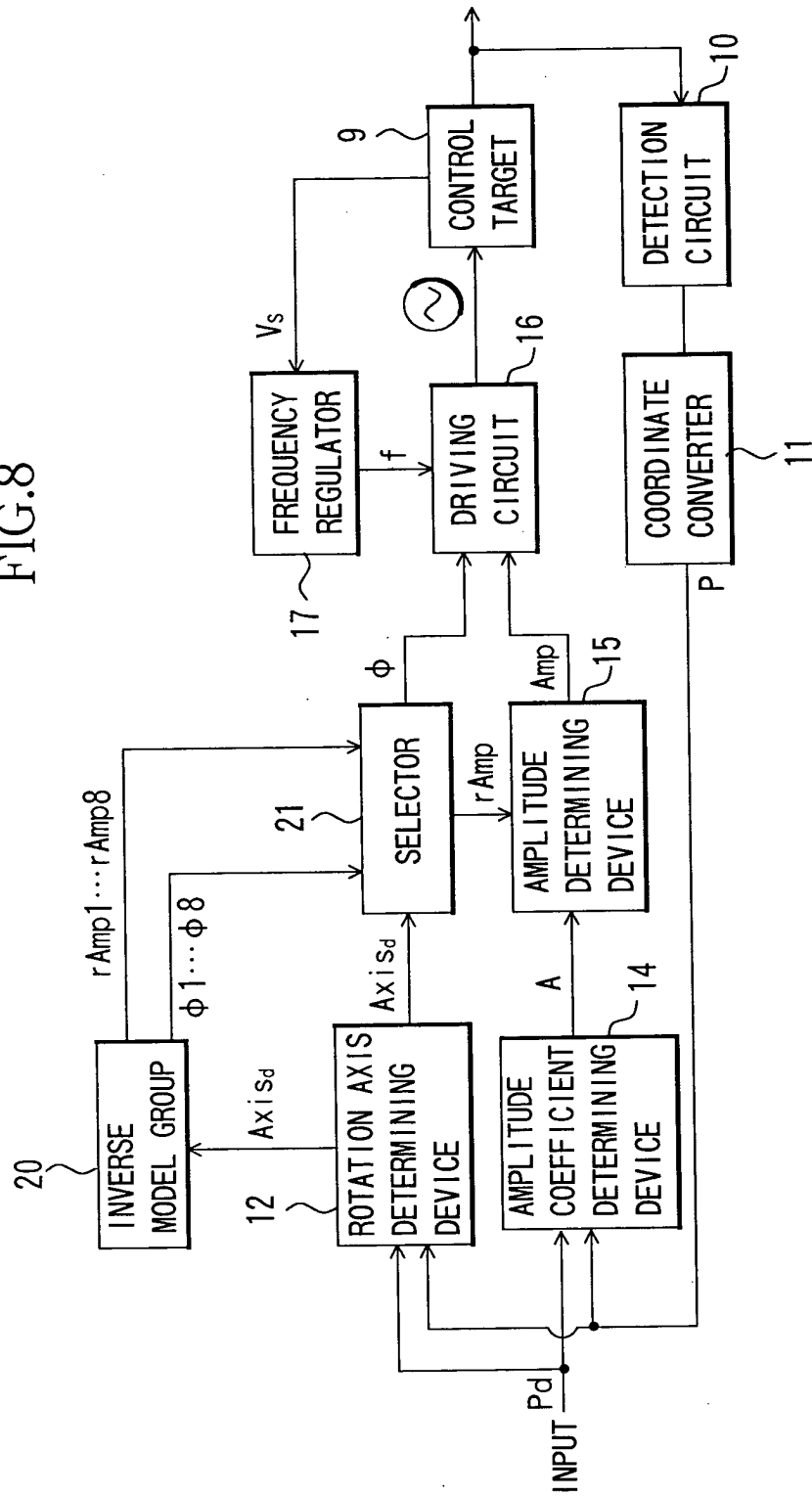


FIG. 9

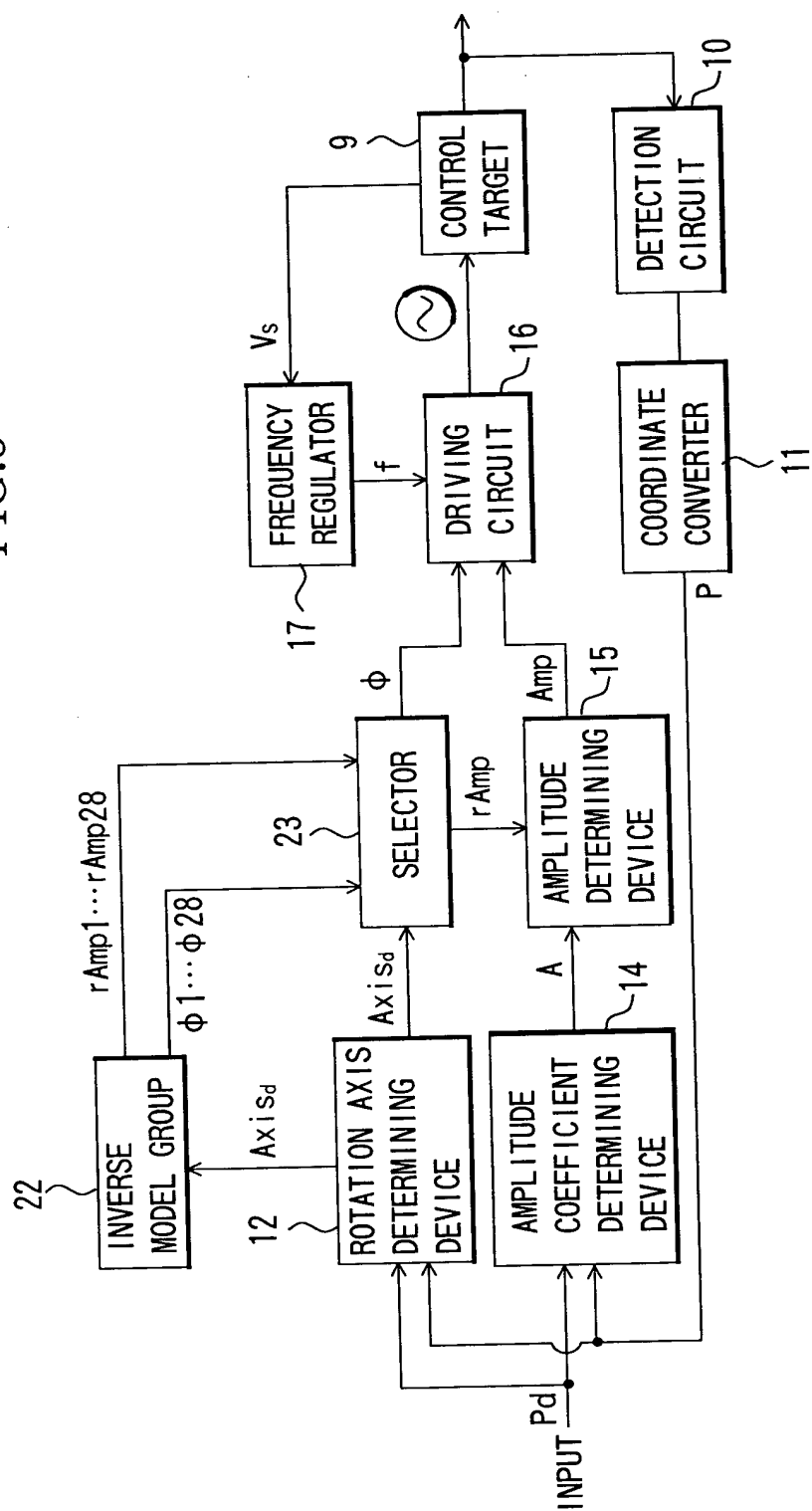


FIG.10

SIGN OF x-COMPONENT	SIGN OF y-COMPONENT	PHASE DIFFERENCE ϕ_{xy}	PHASE DIFFERENCE ϕ_{xz}
+	+	π	$\pi/2$
+	-	0	$-\pi/2$
-	+	0	$\pi/2$
-	-	π	$-\pi/2$

FIG.11

STATE NUMBER	CLASS	SUB- CLASS	SIGN OF EACH COMPONENT OF ROTATION AXIS VECTOR		COMPONENT WITH MAXIMUM ABSOLUTE VALUE	PHASE ϕ [rad]			AMPLITUDE RATIO		
			x-AXIS y-AXIS z-AXIS			ϕ_x	ϕ_y	ϕ_z	Amp _x	Amp _y	Amp _z
1 2 3	1	1 2 3	+	+	-	x	$-\pi/2 \sim 0$ 0 0	$\pi/2$ $\pi/2 \sim \pi$ $\pi/2$	0 $\pi/2$ $0 \sim \pi/2$	1~2 1 1	1 1~2 1~2
4 5 6	2	1 2 3	+	-	+	x	$\pi/2 \sim \pi$ $\pi/2$ $\pi/2$	$\pi/2$ $0 \sim \pi/2$ 0	0 0 $-\pi/2 \sim 0$	1~2 1 1	1 1~2 1~2
7 8 9	3	1 2 3	+	-	-	x	$0 \sim \pi/2$ $\pi/2$ 0	$\pi/2$ $\pi/2 \sim \pi$ $\pi/2$	0 0 $-\pi/2 \sim 0$	1~2 1 1	1 1~2 1~2
10 11 12	4	1 2 3	-	+	+	x	$0 \sim \pi/2$ 0 $\pi/2$	0 $-\pi/2 \sim 0$ 0	$\pi/2$ $\pi/2$ $\pi/2 \sim \pi$	1~2 1 1	1 1~2 1~2
13 14 15	5	1 2 3	-	+	-	x	$-\pi/2 \sim 0$ 0 0	0 $0 \sim \pi/2$ $\pi/2$	$\pi/2$ $\pi/2$ $\pi/2 \sim \pi$	1~2 1 1	1 1~2 1~2
16 17 18	6	1 2 3	-	-	+	x	$\pi/2 \sim \pi$ $\pi/2$ $\pi/2$	0 $-\pi/2 \sim 0$ 0	$\pi/2$ 0 $0 \sim \pi/2$	1~2 1 1	1 1~2 1~2
19 20 21	7	1 2 3	+	+	+	x	$-\pi \sim -\pi/2$ 0 $\pi/2$	$\pi/2$ $-\pi \sim -\pi/2$ 0	0 $\pi/2$ $-\pi \sim -\pi/2$	1~2 1 1	1 1~2 1~2
22 23 24	8	1 2 3	-	-	-	x	$\pi/2 \sim \pi$ 0 $-\pi/2$	$-\pi/2$ $\pi/2 \sim \pi$ 0	0 $-\pi/2$ $\pi/2 \sim \pi$	1~2 1 1	1 1~2 1~2

FIG.12

STATE NUMBER	CLASS	SUB- CLASS	SIGN OF EACH COMPONENT OF ROTATION AXIS VECTOR		PHASE ϕ [rad]			AMPLITUDE RATIO rAmp		
			x-AXIS y-AXIS z-AXIS	COMPONENT WITH MAXIMUM ABSOLUTE VALUE	ϕ_x	ϕ_y	ϕ_z	Amp_x	Amp_y	Amp_z
1 2 3	1	1 2 3	+ + -	x y z	$-\pi/2 \sim 0$ 0 0	$\pi/2$ $\pi/2 \sim \pi$ $\pi/2$	0 $\pi/2$ $0 \sim \pi/2$	1~2 1 1	1 1~2 1	1 1 1~2
4 5 6	2	1 2 3	+ - +	x y z	$\pi/2 \sim \pi$ $\pi/2$ $\pi/2$	$\pi/2$ $0 \sim \pi/2$ 0	0 0 $-\pi/2 \sim 0$	1~2 1 1	1 1~2 1	1 1 1~2
7 8 9	3	1 2 3	+ - -	x y z	$0 \sim \pi/2$ $\pi/2$ 0	$\pi/2$ $\pi/2 \sim \pi$ $\pi/2$	0 0 $-\pi/2 \sim 0$	1~2 1 1	1 1~2 1	1 1 1~2
10 11 12	4	1 2 3	- + +	x y z	$0 \sim \pi/2$ 0 $\pi/2$	0 $-\pi/2 \sim 0$ 0	$\pi/2$ $\pi/2$ $\pi/2 \sim \pi$	1~2 1 1	1 1~2 1	1 1 1~2
13 14 15	5	1 2 3	- + -	x y z	$-\pi/2 \sim 0$ 0 0	0 $0 \sim \pi/2$ $\pi/2$	$\pi/2$ $\pi/2$ $\pi/2 \sim \pi$	1~2 1 1	1 1~2 1	1 1 1~2
16 17 18	6	1 2 3	- - +	x y z	$\pi/2 \sim \pi$ $\pi/2$ $\pi/2$	0 $-\pi/2 \sim 0$ 0	$\pi/2$ 0 $0 \sim \pi/2$	1~2 1 1	1 1~2 1	1 1 1~2
19 20 21	7	1 2 3	+ + +	x y z	$-\pi \sim -\pi/2$ 0 $\pi/2$	$\pi/2$ $-\pi \sim -\pi/2$ 0	0 $\pi/2$ $-\pi \sim -\pi/2$	1~2 1 1	1 1~2 1	1 1 1~2
22 23 24	8	1 2 3	- - -	x y z	$\pi/2 \sim \pi$ 0 $-\pi/2$	$-\pi/2$ $\pi/2 \sim \pi$ 0	0 $-\pi/2$ $\pi/2 \sim \pi$	1~2 1 1	1 1~2 1	1 1 1~2
25 26 27 28			+,- 0 0 +,-		0 $0, \pi/2$ $0, \pi/2$ 0	$0, \pi/2$ 0 $\pi/2, 0$ $\pi, \pi/2, 0, 3\pi/2$	$\pi/2, 0$ $\pi/2, 0$ 0 $\pi/2, 0, \pi/2, 0$	0 1 1 0~1	1 0 1 0~1	1 1 0 1

FIG.13

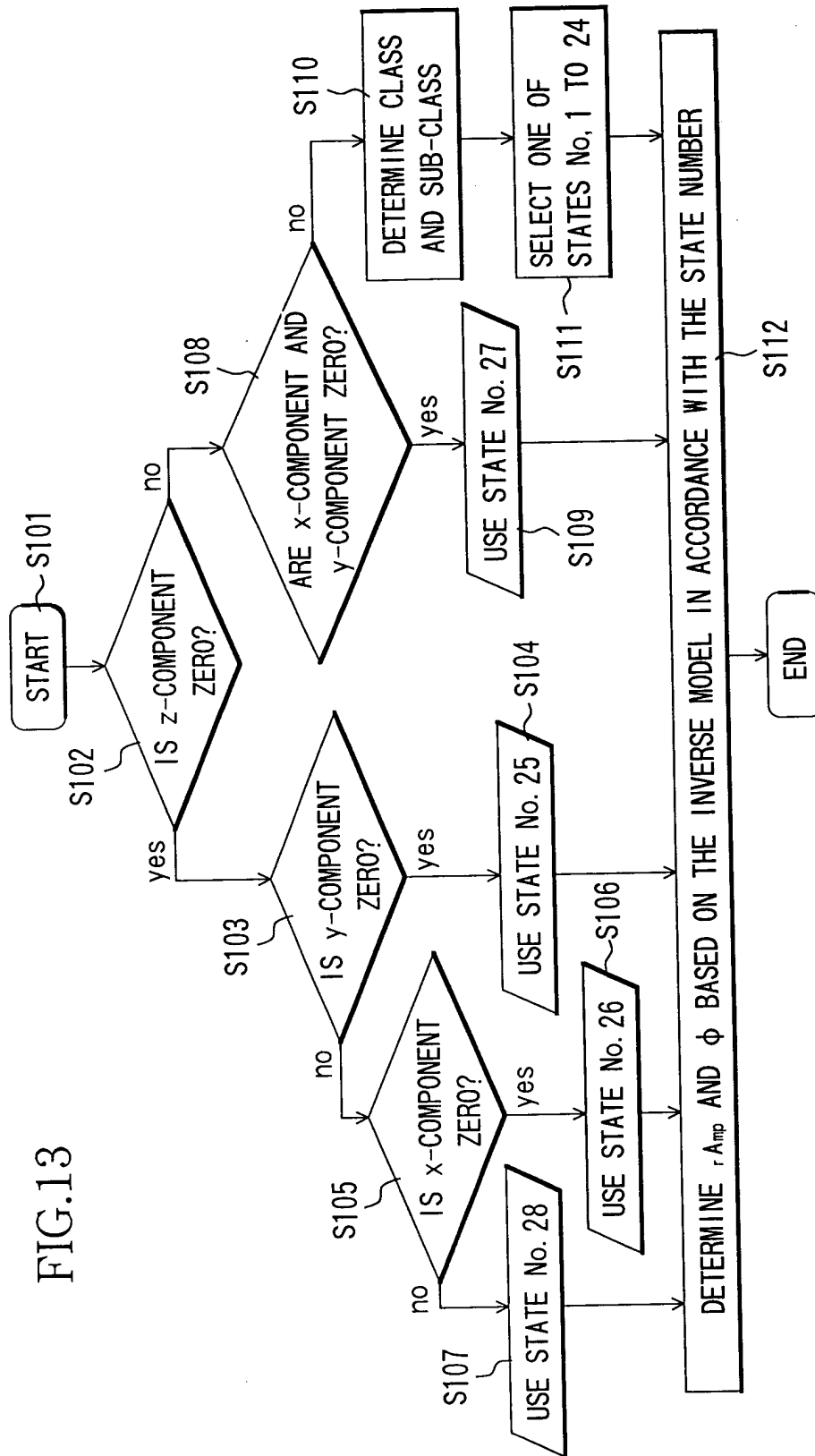


FIG.14

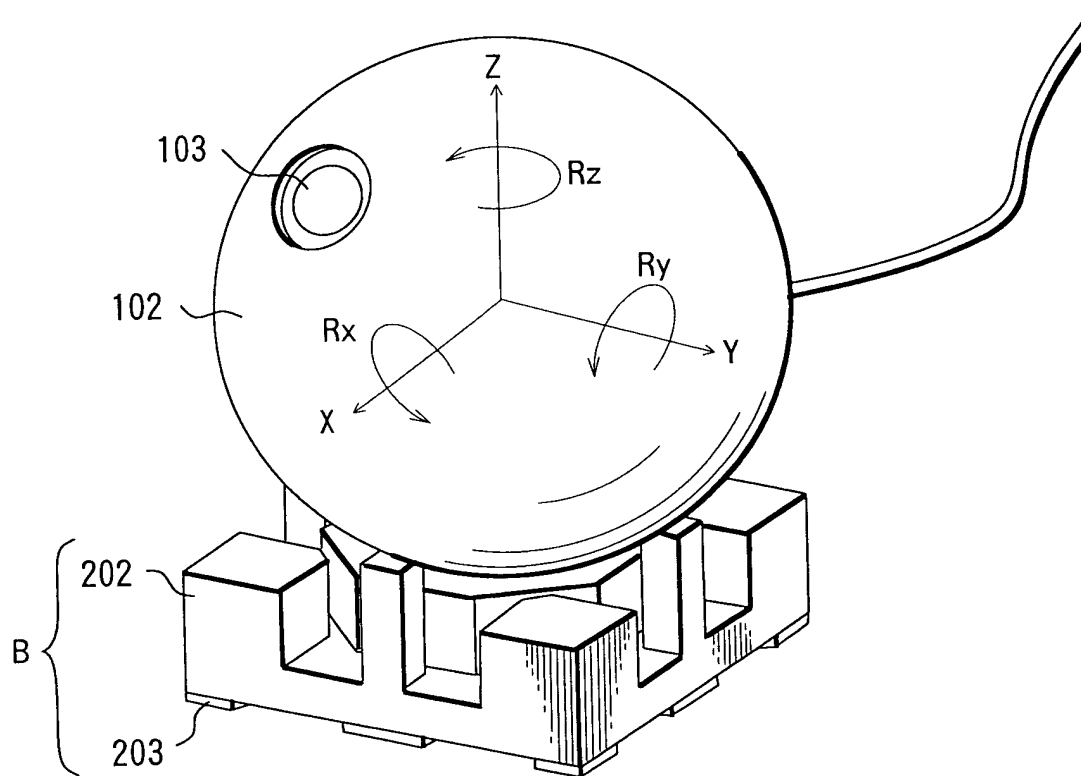


FIG.15

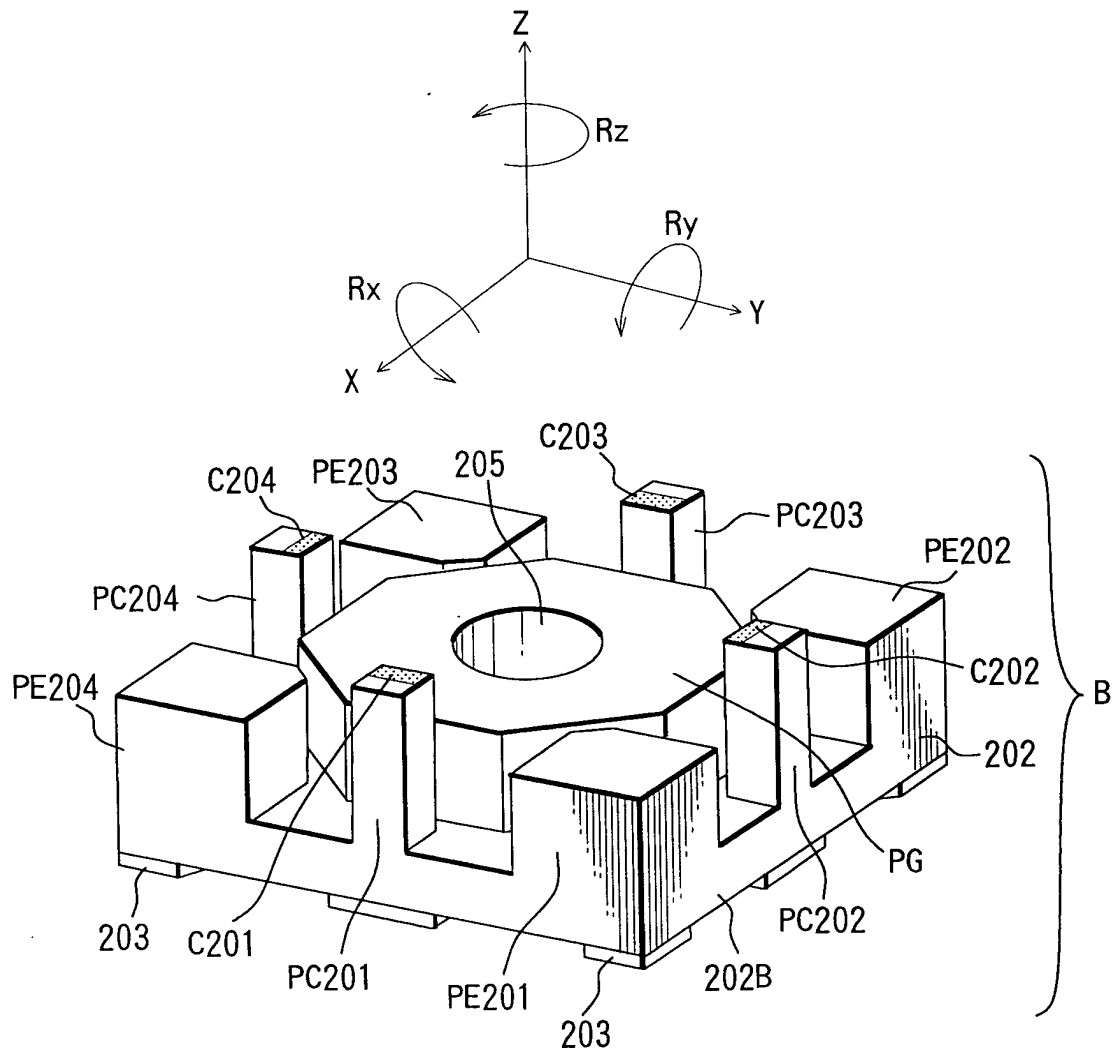


FIG.16

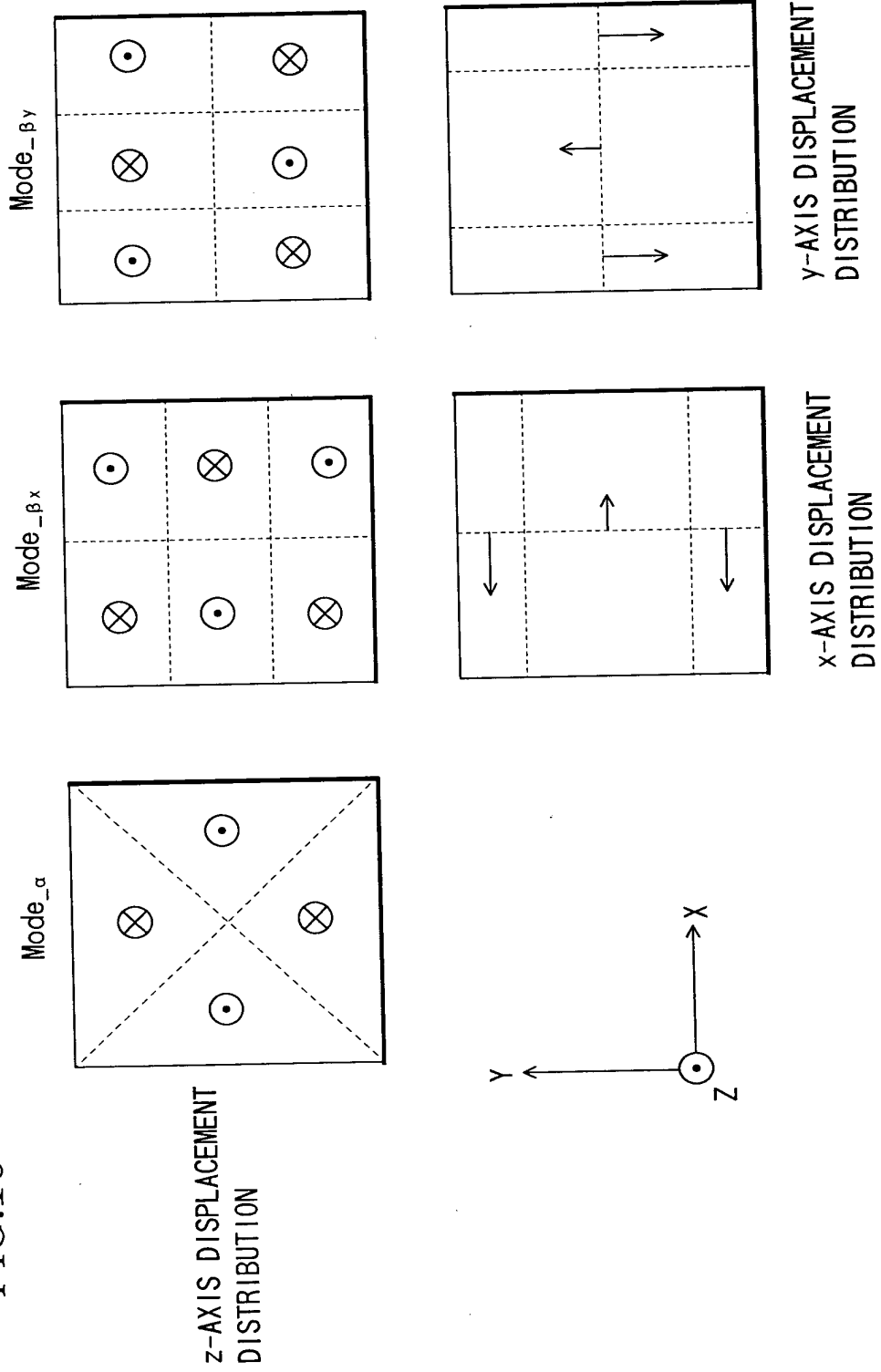


FIG.17

